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1.	Location of Reading Room: Idaho Operations Public Read 1776 Science Center Dr. Univ Idaho Falls, ID 83403				2. Expected Release Date: June 26, 1995
3.	Document Type:				
	[X] Letter [] Memorandum [] Report [] Publication [] Other (Specify)	a.	If letter of To: From: Subject:	Thomas J. Roy Section, Indust University of C Scientific Labo T. H. Oddie, I University of A	D. Sc., Medical Center, Arkansas INTERNAL DOSE
		b.	If report: Title:		
4.	Document Date: July 14, 1969	c.	If publica Name: Volume: Issue:	ition:	
5.	Summary (2-3 lines indicating amount of iodine administered University of Arkansas. A do	d to	Mr. Row	land during a 19	968 experiment at the
6.	Name and telephone number of person completing form:	7.	Organiza	tion:	8. Date:
	Thomas L. Baccus (208) 525-0696		Lockheed Technolo		June 14, 1995
[Check here if a copy of th	e d	ocument i	s being sent to l	Headquarters.

HUMAN RADIATION EXPERIMENTS RECORDS PROVENANCE FORM

REPOSITORY NAME		INEL				
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* COLLECTION NAME	ORIGINAL NAME	OCCUPATIONAL DOSIMETRY RECORDS				
	NEW NAME	U.S. ATOMIC ENERGY COMMISSION IDAHO OPERATIONS OFFICE ANALYTICAL CHEMISTRY BRANCH OCCUPATIONAL DOSIMETRY AND SAMPLE ANALYSES RECORDS				
BOX NUMBER		CABINET #1, DRAWER #2				
ADDITIONAL LOCATION INFORMATION		RESL, CFA-690, ROOM #208				
		FOLDER: NONE				
FILE TITLE		RECORD OF INTERNAL DOSE ASSESSMENTS				
TOTAL PAGES						
BATE NUMBER RANGE						
DOCUMENT NUMBER RANGE						

ORIGINAL HEI FORM DOCUMENT NO.: T070037 NEW HEI FORM DOCUMENT NO.: T070037

DOCUMENT NO.: T070584

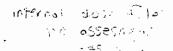
DOCUMENT TITLE: RECORD OF INTERNAL DOSE ASSESSMENTS

CROSS REFERENCES:

ITEMS OF INTEREST:

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by	N/A	
data	1/1/2	

A NEW COLLECTION NAME REPLACED THE ORIGINAL DUE TO REORGANIZATION OF RECORD SERIES





University of Arkansas

MEDICAL CENTER

LITTLE ROCK
July 14, 1969

SCHOOL OF MEDICINE

SCHOOL OF NURSING

SCHOOL OF PHARMACY

UNIVERSITY HOSPITAL

Aerosol Studies Section Industrial Hygiene Group University of California Los Alamos Scientific Laboratory P. O. Box 1663 Los Alamos, New Mexico 87544

Dear

The doses of radioactive material administered to you during our 1968 experiments were as follows:

December 9, 1968 - 10 μc ^{131}I - labeled triiodothyronine plus 50 μc ^{125}I - labeled Thyroxine.

December 16, 1968 - 10 µc 131 - labeled Sodium Iodide.

I hope you are enjoying your new job.

Yours sincerely,

Mach T. H. Oddie, D. Sc.

THO/cmw

Redacted Version

REPOSITORY	
COLLECTION	OCCUPATIONAL DOSIMETRY RECORDS
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	and call from = 608
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on 12/18/92 at 11:07:04
                              This report resides in File: lpt1
                               Generated from REMedy File : Current.dat
Generated on 12/18/92 at 11:07:04
    CASE: Acute Inhalation of I-131 D on 9 DEC 2068
     BIOASSAY: 24hr Urine Analysis on 10 DEC 2068 - 2.13E-03 uCi/cc ID# EST
Subject Name
  Analyst
                           JHO ID# X
  AMAD (um)
                          1.00
  Days Post Exposure:
                           1.0
  Lung Model
                        ICRP30
                                Lung Model ID
                                                  : LungDat.lib
  ALI (Bq)
                       2.00E+06
                                Screening Level(Bq) : 1.00E+05
  ALI (uCi)
                       5.41E+01
                                Screening Level(uCi): 2.70E+00
  TC Half-Time(Days):
                       2.50E-01
                                Fu
                                                  : 9.70E-01
  F1
                       1.00E+00
                                Ff
                                                  : 3.00E-02
Retention Fraction at Time Post-Exposure
                                              : 2.98E-01
        Intake (Bq) : 3.71E+05
                               % ALI
                                                  18.53
        Intake (uCi) : 1.00E+01
                               % Screening Level:
        ORGAN
                    50-Year Committed Dose
                                               First-Year Dose
                      [Rem]
                              [SV]
                                              [Rem]
                                                      [Sv]
        GONADS
                     9.38E-04
                              9.38E-06
                                             9.38E-04
                                                      9.38E-06
        BREAST
                     2.92E-03
                             2.92E-05
                                             2.92E-03
                                                      2.92E-05
        R.MARROW
                              2.32E-05
                     2.32E-03
                                             2.32E-03
                                                      2.32E-05
        LUNGS
                     2.43E-02
                             2.43E-04
                                            2.43E-02
                                                      2.43E-04
        THYROID
                     1.08E+01
                              1.08E-01
                                            1.08E+01
                                                      1.08E-01
        ENDOSTEAL
                     2.12E-03
                              2.12E-05
                                             2.12E-03
                                                      2.12E-05
                     3.08E-03
                              3.08E-05
        REMAINDER
                                             3.08E-03
                                                      3.08E-05
        EFFECTIVE
                     3.29E-01
                              3.29E-03
                                             3.29E-01
                                                      3.29E-03
  *** WARNING *** Intake Requires investigation
  ************* DOSE FACTORS USED IN CALCULATIONS ****************
                     Organ
                                Dose Factor [ Sv/Bq ]
                     GONADS
                                2.53E-11
                                7.88E-11
                     BREAST
                                6.26E-11
                     R.MARROW
                                6.57E-10
                     LUNGS
                     THYROID
                                2.92E-07
                     ENDOSTEAL
                                5.73E-11
                     REMAINDER
                                8.31E-11
                                8.89E-09
                     EFFECTIVE
                                          CEDE for Volinteered
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rinted on 12/18/92 at 11:21:02 This report resides in File : 1pt1 Generated from REMedy File : Current.dat enerated on 12/18/92 at 11:21:02 CASE: Acute Inhalation of I-125 D on 9 DEC 2068 BIOASSAY: 24hr Urine Analysis on 10 DEC 2068 - 1.14E-02 uCi/cc ID# EST ******************************** Subject Name Analyst JHO ID# X AMAD (um) 1.00 Days Post Exposure: 1.0 Lung Model ICRP30 Lung Model ID : LungDat.lib ALI (Bq) Screening Level(Bq) : 1.00E+05 2.00E+06 ALI (uCi) 5.41E+01 Screening Level(uCi): 2.70E+00 TC Half-Time(Days): 2.50E-01 Fu : 9.70E-01 1.00E+00 Ff . : 3.00E-02 Retention Fraction at Time Post-Exposure : 3.21E-01 Intake (Bq) : 1.84E+06 % ALI % Screening Level: 1840.90 Intake (uCi) : 4.98E<u>+01</u> ORGAN 50-Year Committed Dose First-Year Dose [Rem] [Sv] [Rem] [SV] GONADS 0.00E+00 0.00E+00 0.00E+00 0.00E+00 BREAST 0.00E+00 0.00E+00 0.00E+00 0.00E+00 R.MARROW 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 LUNGS.... THYROID 4.05E+01 4.05E-01 4.05E+01 4.05E-01 ENDOSTEAL 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 0.00E+00 REMAINDER 0.00E+00 0.00E+00 **EFFECTIVE** 1.20E+00 1.20E-02 1.20E+00 1.20E-02 *** WARNING *** Intake Requires investigation ****** DOSE FACTORS USED IN CALCULATIONS *********** Organ Dose - Factor [Sv/Bq] GONADS 0.00E+00 0.00E+00 BREAST R.MARROW 0.00E+00 LUNGS 0.00E+00 2.20E-07 THYROID 0.00E+00 ENDOSTEAL REMAINDER 0.00E+00 EFFECTIVE 6.50E-09



Replaces: ID F-101 (Rev. 10-81)

1D F-5484.1B (Rev. 04-82) (Ref. 1D-5484.1)

U.S. DEPARTMENT OF ENERGY IDAHO OPERATIONS OFFICE

PREVIOUS RADIATION EXPOSURE HISTORY

Present Employer: U 5 Dept of E.		Location:				
1. Name: (Last) (First) (Middle) (Mai		2. Date of Birth (Day, Month, Yea	1	T	curity Number:	
4. Radiation exposure histories are m National Engineering Laboratory (In radioactive materials or radiation p locations other than INEL including	IEL) except the I roducing equipm	daho Naval Reactor	Facility (NI	RF). Have you w	orked with	
☐ No ☑ Yes Estimated E 5. If you have checked "Yes" above, I	<u> </u>		tive work w	as accomplishe	d. In	
addition, sign one copy of ID F-548 record, please print and provide co					xposure	
				Period of Employment		
Organization	Mailing A	Address and Zip Cod	le	From	То	
UNIVERSITY OF AYTEANSAS MEDICAL CENTER LITTLE ROCK, AYKANSAS	(NOT AN Employee) Graduate Student			1968	1970	
)						
6. Have you had internal exposure to Details:	radioactive mater See AHI					
7. I certify that the above information is correct and complete to the best of my knowledge. Signature Date						
cc: Dosimetry Branch, Radiological and Environmental Sciences Laboratory 전 Yes 다 No						
Privacy Act Statement (PL 93-597) The authority for requesting this i authorizes the Department of Energy functions vested in DOE. The disclosu and its contractors to develop a data confidential, and is released to others Security number, etc., will be used to	(DOE) to maintained for the control of the control	ain radiation exposuation may be a condictory. The circumstances. Per	re records ition of emp informations sonal informations	keeping system ployment and wi on is used for y mation such as	m to perform the II be used by DOE our protection, is	